

Claims

- [c1] What is claimed is:
- 1.A pointing device comprising:
a housing comprising an upper cover;
a main body retractably fixed under the housing, the main body comprising a front half and a back half; and
an input section placed on the front half of the main body for generating (inputting) key signals, wherein the top surface of front half and the top surface of back half of the main body forming a smooth surface.
 - [c2] 2.The pointing device of claim 1 wherein the bottom side of the housing and the bottom side of the main body are fixed at the same level.
 - [c3] 3.The pointing device of claim 1 wherein the housing further comprises two extending arms, which extend from the upper cover and has the main body positioned between the two extending arms, for fixing the main body under the upper cover.
 - [c4] 4.The pointing device of claim 3 wherein when the main body is under the housing, the front of the two extending arms of the housing is flush with the main body.

- [c5] 5.The pointing device of claim 1 is a mouse.
- [c6] 6.The pointing device of claim 1 wherein the input section comprises two keys and a wheel that is placed between the two keys.
- [c7] 7.The pointing device of claim 1 further comprising a guide and a track that are placed between the housing and the main body in order to freely change the position of the housing with respect to the main body.
- [c8] 8.The pointing device of claim 1 wherein the main body further comprises a plurality of notches; the housing further comprises a latch; and the latch comprises a tooth; wherein the positions of the housing with respect to the main body is fixed by fitting tooth of the latch fits the plurality of notches so that when the latch the tooth of the latch into a corresponding notch from the plurality of notches.
- [c9] 9.The pointing device of claim 1 wherein the main body further comprises a plurality of notches; the housing comprises a latch; and the latch comprises two teeth; wherein the positions of the housing with respect to the main body is fixed by fitting the two teeth of the latch

into corresponding notches from the plurality of notches.

- [c10] 10.A pointing device comprising:
a housing comprising a first edge;
a main body retractably fixed under the housing,
wherein a fixed space exists between the first edge of the housing and a smooth surface of the main body, the fixed space being only large enough for first edge of the housing to slide over the smooth surface of the main body when the positions of the housing and main body relative to each other are adjusted;
an input section placed on the front half and exposed out from the housing;
wherein when the positions of the main body and the housing relative to each other are adjusted, a fixed space exists between the first edge and the smooth surface.
- [c11] 11.The pointing device of claim 10 wherein the bottom side of the housing and the bottom side of the main body are fixed at the same level.
- [c12] 12.The pointing device of claim 10 wherein the housing further comprises two extending arms with the main body fixed between the two extending arms of the housing.

- [c13] 13.The pointing device of claim 12 wherein when the main body is under the housing, the front part of the two extending arms of the housing is flush with the main body.
- [c14] 14.The pointing device of claim 10 is a mouse.
- [c15] 15.The pointing device of claim 10 wherein the input section comprises two keys and a wheel that is placed between the two keys.
- [c16] 16.The pointing device of claim 10 further comprising a guide and a track that are placed between the housing and the main body in order to freely change the position of the housing with respect to the main body.
- [c17] 17.The pointing device of claim 10 wherein the main body further comprises a plurality of notches; the housing further comprises a latch; and the latch comprises a tooth; wherein the positions of the housing with respect to the main body is fixed by fitting tooth of the latch fits the plurality of notches so that when the latch the tooth of the latch into a corresponding notch from the plurality of notches.
- [c18] 18.The pointing device of claim 10 wherein the main body further comprises a plurality of notches;

the housing comprises a latch; and
the latch comprises two teeth;
wherein the positions of the housing with respect to the
main body is fixed by fitting the two teeth of the latch
into corresponding notches from the plurality of
notches.

[c19] 19.A pointing device comprising:
a housing comprising a first bottom side;
a main body comprising a second bottom side and re-
tractably fixed under the housing; and
an input section placed on the main body;
wherein the first bottom side and the second bottom
side form a flat surface, and when the positions of the
main body and the housing relative to each other are ad-
justed, the first bottom side and the second bottom side
remain on the (same) flat surface.

[c20] 20.The pointing device of claim 19 wherein the housing
further comprises an upper cover and two extending
arms in which the main body is fixed between the two
extending arms of the housing and under the upper
cover.

[c21] 21.The pointing device of claim 20 wherein when the
main body is under the housing, the front of the two ex-
tending arms of the housing is flush with the main body.

- [c22] 22.The pointing device of claim 19 is a mouse.
- [c23] 23.The pointing device of claim 19 wherein the input section comprises two keys and a wheel that is placed between the two keys.
- [c24] 24.The pointing device of claim 19 further comprising a guide and a track that are placed between the housing and the main body in order to freely change the position of the housing with respect to the main body.
- [c25] 25.The pointing device of claim 19 wherein the main body further comprises a plurality of notches; the housing further comprises a latch; and the latch comprises a tooth; wherein the positions of the housing with respect to the main body is fixed by fitting tooth of the latch fits the plurality of notches so that when the latch the tooth of the latch into a corresponding notch from the plurality of notches.
- [c26] 26.The pointing device of claim 19 wherein the main body further comprises a plurality of notches; the housing comprises a latch; and the latch comprises two teeth; wherein the positions of the housing with respect to the main body is fixed by fitting the two teeth of the latch

into corresponding notches from the plurality of notches.